

**To:** Ackerman, Joyce[Ackerman.Joyce@epa.gov]  
**Cc:** Ruhl, Christopher[Ruhl.Christopher@epa.gov]; Ostrander, David[Ostrander.David@epa.gov]; Dunkelman, Tom[Dunkelman.Tom@epa.gov]  
**From:** Dhieux, Joyel  
**Sent:** Wed 9/9/2015 4:14:37 AM  
**Subject:** Re: Sampling at the mine site

Hi Joyce,

This might be just word-smithing, but given the sensitivity I want to be sure it's clear that we are conducting water quality monitoring (i.e. pH, temp, conductivity etc) at five locations. The water sampling (for metals) is at a subset of these points and includes the Gold King discharge and the effluent discharge from the treatment ponds.

Thanks,  
Joyel

Joyel R. Dhieux  
Federal On-Scene Coordinator  
U.S. Environmental Protection Agency  
Ph: 303-312-6647  
Cell: 720-441-9961

On Sep 8, 2015, at 9:51 PM, Ackerman, Joyce <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)> wrote:

**To our IC's:**

**I have cut-and-paste e-mails in response to our question on samples at the mine site.**

- 1. They are analyzing for 24 metals (23 shown on this spreadsheet, plus mercury for a total of 24). They are forwarding us the mercury results.**
- 2. They have five locations for sampling. See below.**

**Joyce**

**From:** Dhieux, Joyel  
**Sent:** Tuesday, September 08, 2015 9:44 PM  
**To:** Ackerman, Joyce  
**Cc:** [megan.oller@Westonsolutions.com](mailto:megan.oller@Westonsolutions.com); Miller, Jamie  
**Subject:** Re: Sorry for the fire drill! What metals are we sampling for?

Hi Joyce,

Yes, we are monitoring 5 locations twice a day: (1) the Gold King Adit discharge, (2) discharge from R&B sediment ponds (R&B ponds have Gold King water), (3) Cement Creek above the discharge, and (4) Cement Creek at Gladstone. I believe that the fifth location is Cement Creek also, but I'm not sure where exactly. Can you just say that we are collecting monitoring data from five sites twice a day including the Gold King discharge, discharge from our treatment ponds, and several locations along Cement Creek.

I only included the data points on the table that I thought would be relevant to the question of water treatment.

As for the metals, I have to confess I'm not entirely sure if it's 23 or 24. (From Joyce: it's 24)

Good luck!

Joyel

Joyel R. Dhieux

Federal On-Scene Coordinator

U.S. Environmental Protection Agency

Ph: 303-312-6647

Cell: 720-441-9961

**From:** Dhieux, Joyel  
**Sent:** Tuesday, September 08, 2015 8:26 PM  
**To:** Ackerman, Joyce  
**Subject:** Fwd: Sorry for the fire drill! What metals are we sampling for?

Hi Joyce,

I hope this helps. I am about to drive down to Purgatory and haven't had a chance to review the table.

Joyel

Joyel R. Dhieux

Federal On-Scene Coordinator

U.S. Environmental Protection Agency

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Begin forwarded message:

**From:** "Oller, Megan" <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)>  
**Date:** September 8, 2015 at 7:23:25 PM MDT  
**To:** "Dhieux, Joyel" <[Dhieux.Joyel@epa.gov](mailto:Dhieux.Joyel@epa.gov)>  
**Subject:** RE: Sorry for the fire drill! What metals are we sampling for?

Jamie wanted to mention that these are both preliminary and validated data. Let me know if this is not what you were looking for and we can modify it.

Thanks,

Megan Oller

**From:** Dhieux, Joyel [<mailto:Dhieux.Joyel@epa.gov>]  
**Sent:** Tuesday, September 08, 2015 5:25 PM  
**To:** Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)>  
**Subject:** Sorry for the fire drill! What metals are we sampling for?

Hi Megan,

Are we running the same metals tests on the samples as we are in Durango? I assume that's the case, but wanted to confirm.

Also, Can Jamie do a quick table with the sample results at the adit, the R&B discharge, upstream of Cement Creek and then downstream of Cement Creek? If she can, I need the table ASAP.

Thanks!

Joyel

Joyel R. Dhieux

Federal On-Scene Coordinator

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On Sep 7, 2015, at 8:03 PM, Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)> wrote:

Looks like it is typically between 3.50 and 3.75 with lows of 3.3 and highs of 4.0

Megan Oller

----- Original message-----

**From:** Dhieux, Joyel

**Date:** Mon, Sep 7, 2015 7:58 PM

**To:** Oller, Megan;

**Subject:** What's the usual pH in Cement Creek downstream of the site? Like by the road where you sample?

Thanks!

Joyel R. Dhieux  
Federal On-Scene Coordinator  
U.S. Environmental Protection Agency  
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Cell: 720-441-9961

> On Sep 7, 2015, at 6:17 PM, Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)> wrote:

>

> Yes, that data appears to be from the Sonde. Jamie is working on pulling together that other information into that table. I'll let you know when I get it in.

>

> Thanks,

> Megan Oller

>

> -----Original Message-----

> From: Dhieux, Joyel [<mailto:Dhieux.Joyel@epa.gov>]

> Sent: Monday, September 07, 2015 6:02 PM

> To: Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)>

> Subject: Re: Can you send me the data that Jamie pulled together?

>

> Hi Megan,

>

> A couple questions:

>

> Is the R&B data from the sonde that was reading low? If so, I'd like to get the readings from your twice daily log. Also, do we have data from the discharge from the Gold King ponds when we were using them?

>

> Thanks!

>

> Joyel

>

> Joyel R. Dhieux

> Federal On-Scene Coordinator

> U.S. Environmental Protection Agency

> Ph: 303-312-6647  
> Cell: 720-441-9961

>

>> On Sep 7, 2015, at 5:37 PM, Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)> wrote:

>>

>> See attached, let me know if you need anything else.

>>

>> Thanks,

>> Megan Oller

>>

>> -----Original Message-----

>> From: Dhieux, Joyel [<mailto:Dhieux.Joyel@epa.gov>]

>> Sent: Monday, September 07, 2015 5:22 PM

>> To: Oller, Megan <[Megan.Oller@WestonSolutions.com](mailto:Megan.Oller@WestonSolutions.com)>

>> Subject: Can you send me the data that Jamie pulled together?

>>

>> I need it for my Flocculate report tonight.

>>

>> Thanks!

>>

>> Joyel R. Dhieux

>> Federal On-Scene Coordinator

>> U.S. Environmental Protection Agency

>> Ph: 303-312-6647

>> Cell: 720-441-9961

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>> <GKadit\_RBeffluent\_parameters.xlsx>

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<GKM results table.xlsx>